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| Module 3 Lesson Plan Cover Sheet | |
| Standard & brief description | APR.3 (6-3) ZERO PRODUCT PROPERTY |
| Group Members | Norman  Lucy  Armando  Jeuel  Guadalupe |
| Lesson Dates & Learning Goals | 12/9 Be able to explain what the Zero Product Property (ZPP) allows you to do.  12/10 Be able to apply the ZPP to find the zeros (roots, x-intercepts, solutions..etc.) of a quadratic.  12/11 Be able to use the zeros found and the vertex to construct a rough graph of a quadratic. |
| Roles & Responsibilities for each group member | Introduction : Norman  Activity : Jeuel  Homework : Luz  PPT: Armando  Class work : Guadalupe |

**Module 1-Lesson Plan Template**

Standard (with brief description): Be able to explain what the Zero Product Property (ZPP) allows you to do.

1. Learning Goal(s):

**Be able to explain what the Zero Product Property (ZPP) allows you to do.**

1. Describe each person’s role(s) and their responsibilities:

**Norman: Introduce standard and explain its content**

**Armando: Visualization of standards**

**Luz: Homework**

**Guadalupe: Class work**

**Jeuel:Provide activities to do in class**

1. Preparation required and materials needed (what copies should I make…etc.):

**Worksheets**

1. Describe what you want every student to be able to:
   1. Do after your lesson:

**Show visual and explain zero product property**

* 1. Understand after your lesson:

**Understand that equations can = to 0**

* 1. Talk about after your lesson:

**Zero product property**

1. Procedure:
   1. Explain what the “Do Now” will be and describe why it is important for every student to do (Every student MUST write the learning goals in their notebooks and fill out the HW Logs every day):

**Explain what you already know about the zero product property. 5 mins**

* 1. Lesson Option
     1. Describe how you will communicate the learning goal:

**On the power point**

* + 1. Create a template of what will be included in the notes and how you will prepare to teach/answer any questions:
       1. Key Points:
* Zero product property
* Find the vortex
* Construct a sketch
* Factoring
  + - 1. Formulas:
* (some expression) = 0
  + - 1. Examples/walk through a problem:
    1. Describe how you will provide an opportunity for every student to practice and experience success.
    2. Describe how you know that your lesson will be effective
  1. Assessment (attach the created assessment, with the answer key to the lesson plan submitted):
     1. Describe the assessment created
     2. Outline how it will be introduced
     3. Explain how it will be graded
     4. Describe how the results of the assessment will be used to inform the next lesson or practice before the test
     5. Include a description of why the assessment is effective
  2. Describe what the homework will be and why it is important to practice the skills (attach the hw to the lesson plan):
  3. Explain how you will communicate what the homework is:
  4. Describe how you will use the practice test to help every student prepare to demonstrate their understanding.
  5. Describe any confusing parts of your lesson and list all questions that you anticipate receiving
     1. Confusing parts:
     2. Anticipated questions:

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| Student Name: Lucy | | | | | |
| Peer-Evaluated Individual Rubric | Score: | | | | Notes: |
| Day 1:---Role/responsibility #1: Teaching APR.3 ZPP  Role/responsibility #2: communicate Homework  Role/responsibility #3: correct Homework | 1  1  1 | 2  2  2 | 3  3  3 | 4  4  4 |  |
| Day 2:--- Role/responsibility #1: Teaching APR.3 ZPP  Role/responsibility #2: communicate Homework  Role/responsibility #3: correct Homework | 1  1  1 | 2  2  2 | 3  3  3 | 4  4  4 |  |
| Day 3:-- Role/responsibility #1: Teaching APR.3 ZPP  Role/responsibility #2: communicate Homework  Role/responsibility #3: correct Homework | 1  1  1 | 2  2  2 | 3  3  3 | 4  4  4 |  |

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| Student Name: Norman | | | | | |
| Peer-Evaluated Individual Rubric | Score: | | | | Notes: |
| Day 1:---Role/responsibility #1: Teaching APR.3 ZPP  Role/responsibility #2: Do now  Role/responsibility #3: Explaining Zero Product Property | 1  1  1 | 2  2  2 | 3  3  3 | 4  4  4 |  |
| Day 2:---Role/responsibility #1: Applying ZPP into equations  Role/responsibility #2: Do now  Role/responsibility #3: Solving problems step by step | 1  1  1 | 2  2  2 | 3  3  3 | 4  4  4 |  |
| Day 3:-- Role/responsibility #1: Explain ZPP  Role/responsibility #2: Do now  Role/responsibility #3: Find vertex + construct graph | 1  1  1 | 2  2  2 | 3  3  3 | 4  4  4 |  |

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| Student Name: Armando | | | | | |
| Peer-Evaluated Individual Rubric | Score: | | | | Notes: |
| Day 1:---Role/responsibility #1: Teaching APR.3 ZPP  Role/responsibility #2: preparing power point  Role/responsibility #3: Presenting power point | 1  1  1 | 2  2  2 | 3  3  3 | 4  4  4 |  |
| Day 2:--- Role/responsibility #1: Teaching APR.3 ZPP  Role/responsibility #2: preparing power point  Role/responsibility #3: Presenting power point | 1  1  1 | 2  2  2 | 3  3  3 | 4  4  4 |  |
| Day 3:-- Role/responsibility #1: Teaching APR.3 ZPP  Role/responsibility #2: preparing power point  Role/responsibility #3: Presenting power point | 1  1  1 | 2  2  2 | 3  3  3 | 4  4  4 |  |

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| Student Name: Guadalupe | | | | | |
| Peer-Evaluated Individual Rubric | Score: | | | | Notes: |
| Day 1:---Role/responsibility #1: Teaching APR.3 ZPP  Role/responsibility #2: Class notes  Role/responsibility #3: Clarification | 1  1  1 | 2  2  2 | 3  3  3 | 4  4  4 |  |
| Day 2:--- Role/responsibility #1: Teaching APR.3 ZPP  Role/responsibility #2: Class notes  Role/responsibility #3: Clarification | 1  1  1 | 2  2  2 | 3  3  3 | 4  4  4 |  |
| Day 3:-- Role/responsibility #1: Teaching APR.3 ZPP  Role/responsibility #2: Class notes  Role/responsibility #3: Clarification | 1  1  1 | 2  2  2 | 3  3  3 | 4  4  4 |  |

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| Student Name: Jeuel | | | | | |
| Peer-Evaluated Individual Rubric | Score: | | | | Notes: |
| Day 1:---Role/responsibility #1: Teaching APR.3 ZPP  Role/responsibility #2: Provides class activities  Role/responsibility #3: Worksheets | 1  1  1 | 2  2  2 | 3  3  3 | 4  4  4 |  |
| Day 2:--- Role/responsibility #1: Teaching APR.3 ZPP  Role/responsibility #2: Provides class activities  Role/responsibility #3: Worksheets | 1  1  1 | 2  2  2 | 3  3  3 | 4  4  4 |  |
| Day 3:-- Role/responsibility #1: Teaching APR.3 ZPP  Role/responsibility #2: Provides class activities  Role/responsibility #3: Worksheets | 1  1  1 | 2  2  2 | 3  3  3 | 4  4  4 |  |